	·		101/01	03/10401
	ASSIFICATION OF SUBJECT MATTER at.Cl ⁷ H05B3/68, H05B3/20, H05B3/30, H05B3/10, H01L21/02, H01L21/205, H01L21/302			
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H05B3/68, H05B3/20, H05B3/30, H05B3/10, H01L21/02, H01L21/205, H01L21/302				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	<u> </u>		Relevant to claim No.
X. Y	JP 2000-243542 A (NHK Spring 08 September, 2000 (08.09.00) Full text; Figs. 1 to 7 & US 6180931 B1			1 2-3
Y	JP 2002-141257 A (Ibiden Co. 17 May, 2002 (17.05.02), Full text; Figs. 1 to 3	, Ltd.),		1 .
	& WO 02/99855 A			
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an i			ne application but cited to erlying the invention claimed invention cannot be red to involve an inventive claimed invention cannot be to when the document is documents, such a skilled in the art family	
Date of the actual completion of the international search 10 December, 2003 (10.12.03)			ne international seam aber, 2003 (
Name and m Japa	ailing address of the ISA/ nese Patent Office	Authorized officer		;

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